

Exemplary charging profile

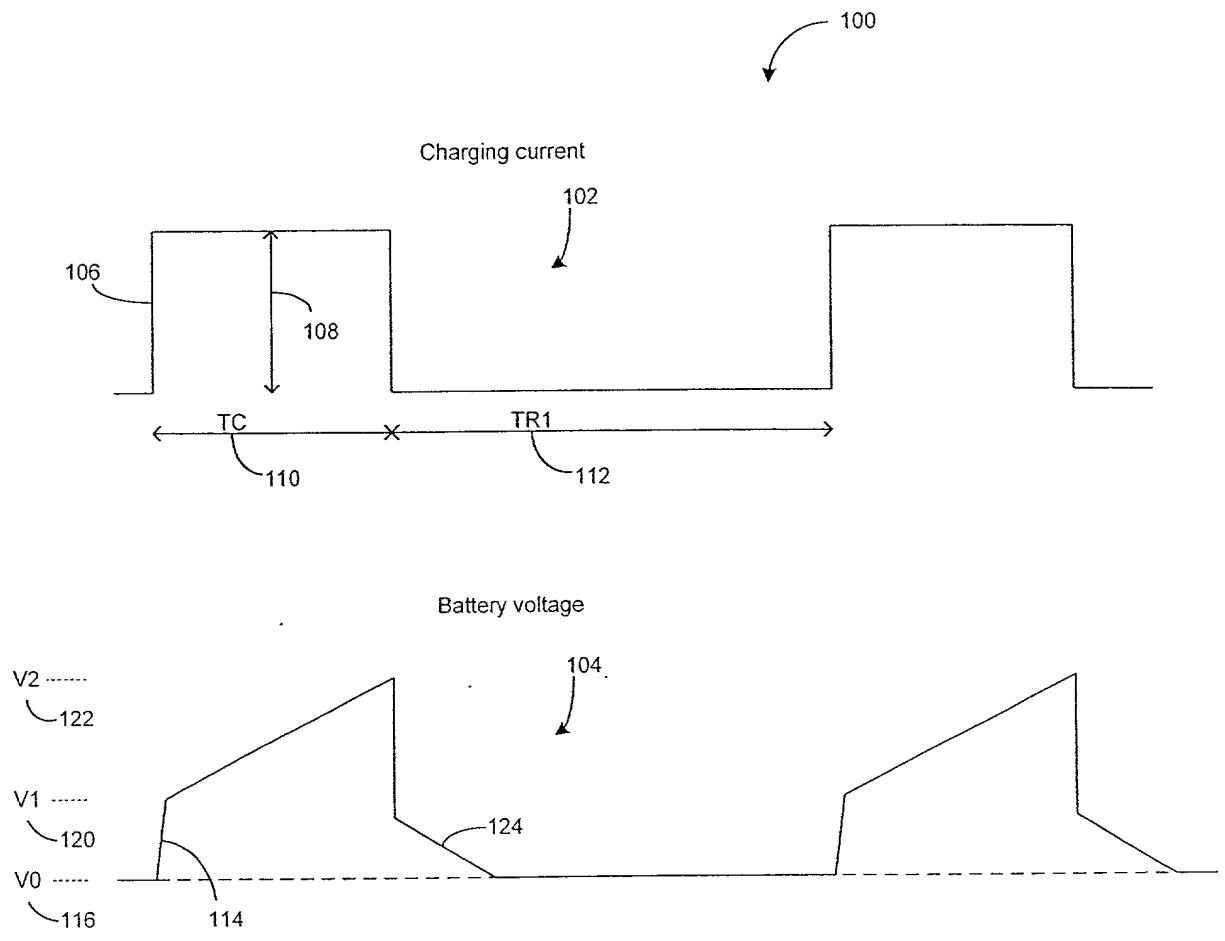


FIGURE 1

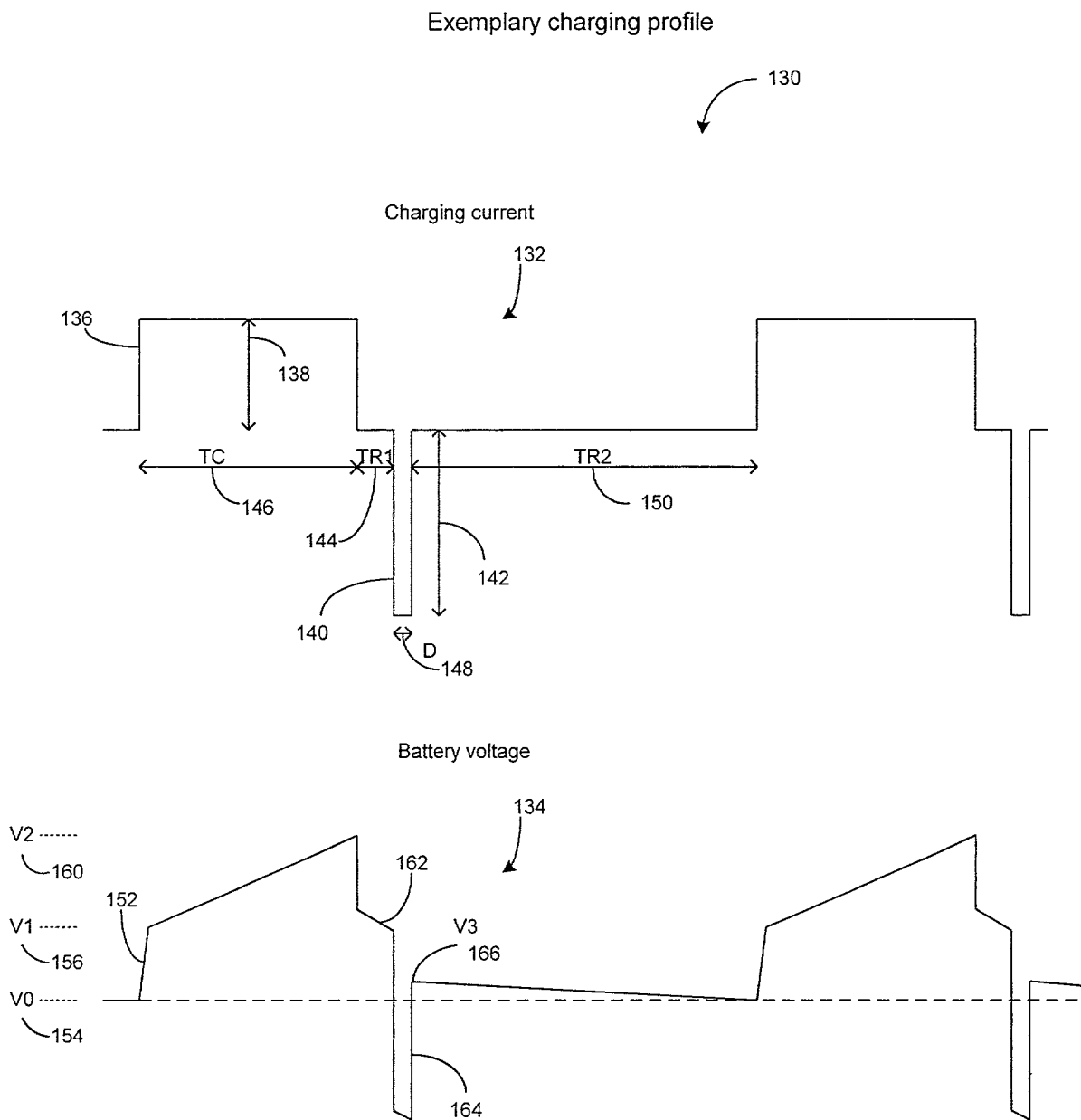


FIGURE 2

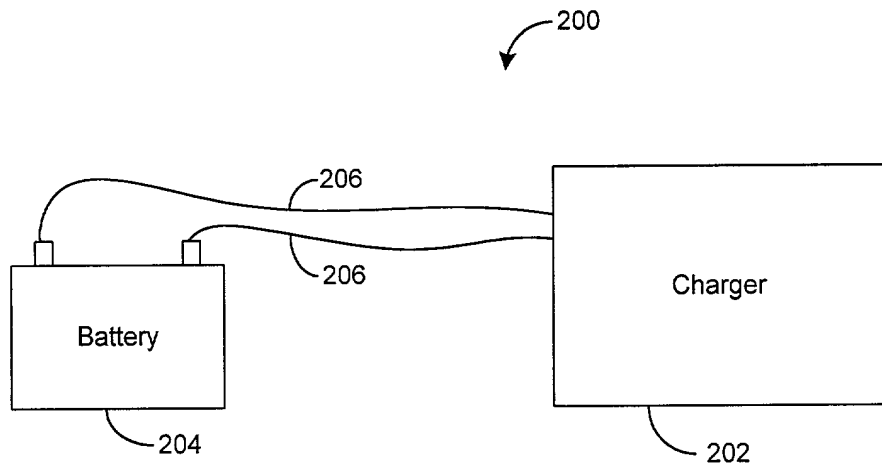


FIGURE 3A

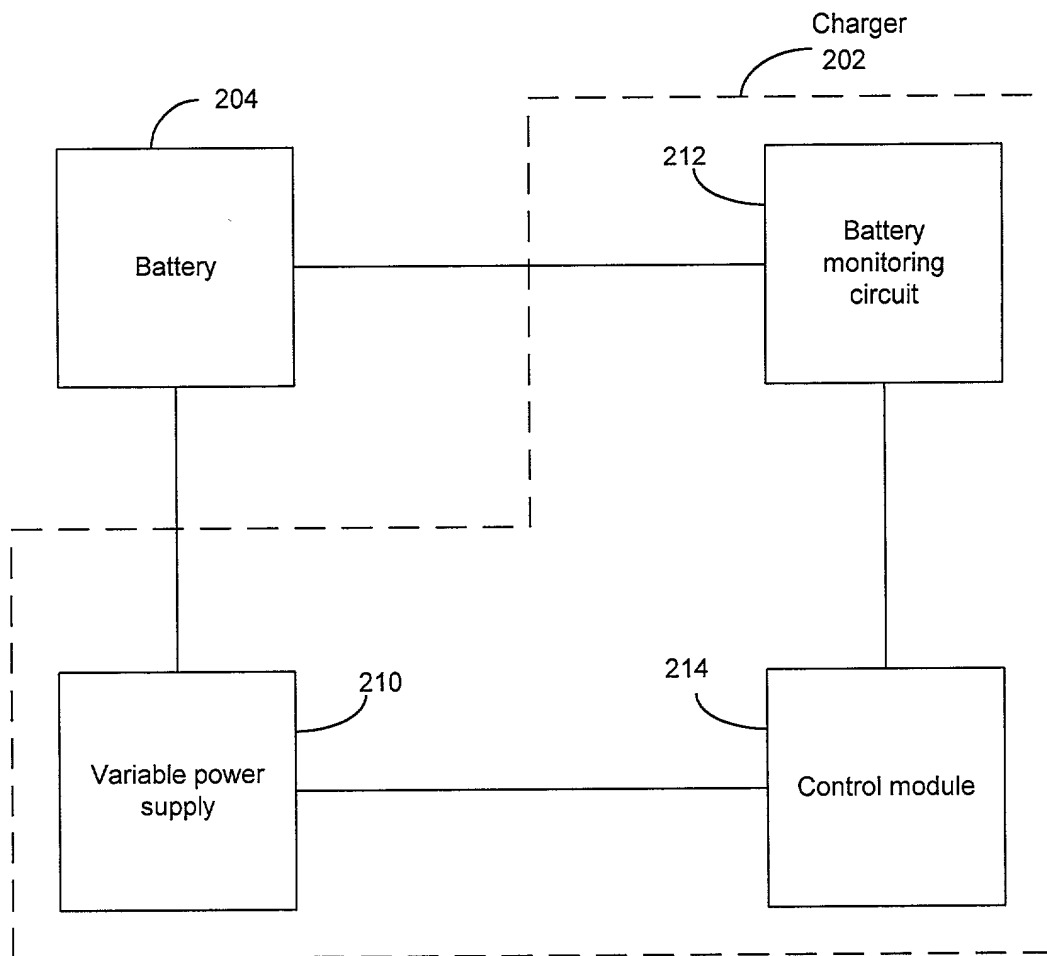


FIGURE 3B

Battery charging process

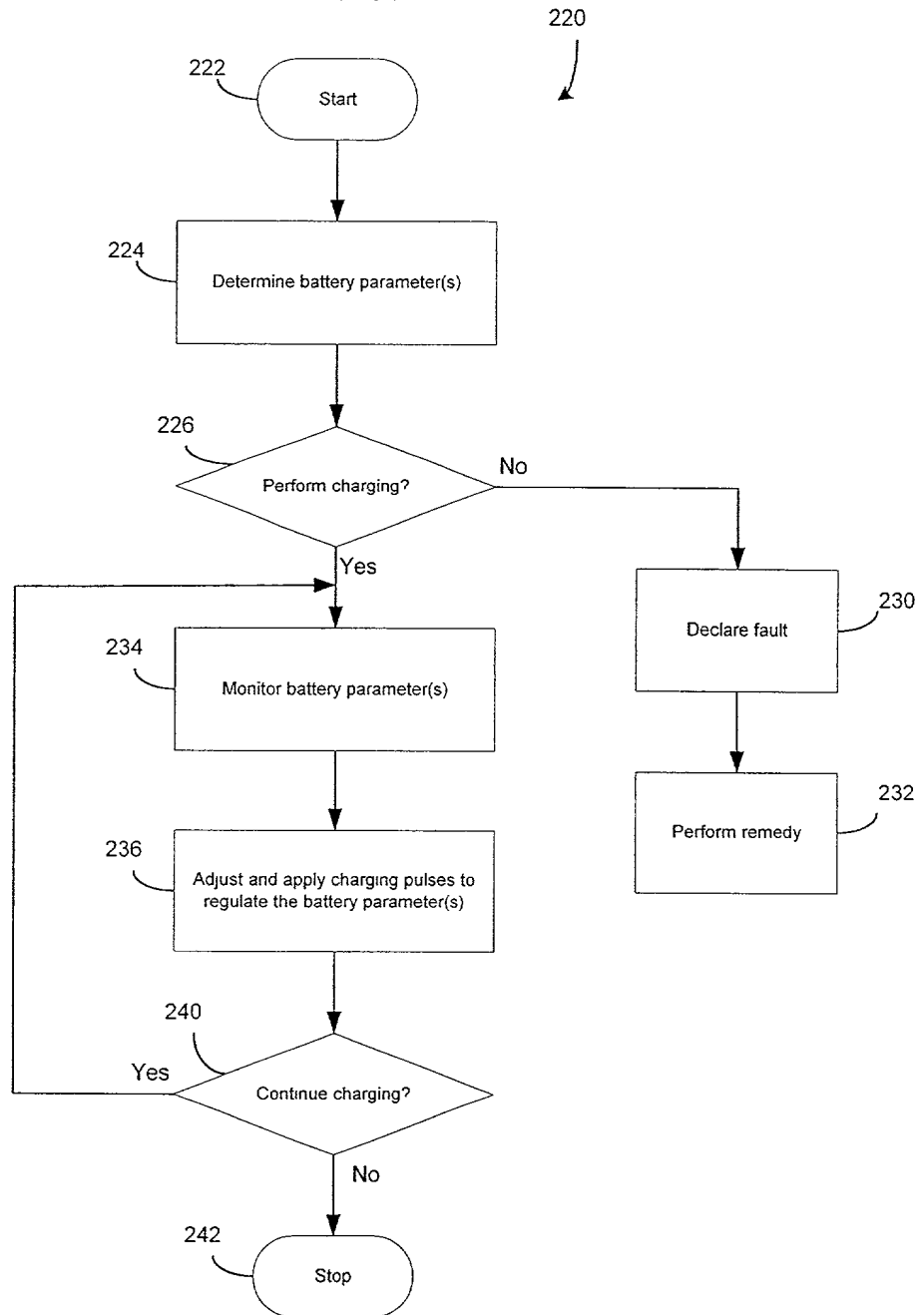


FIGURE 4

Exemplary process for adaptive regulated pulse charging

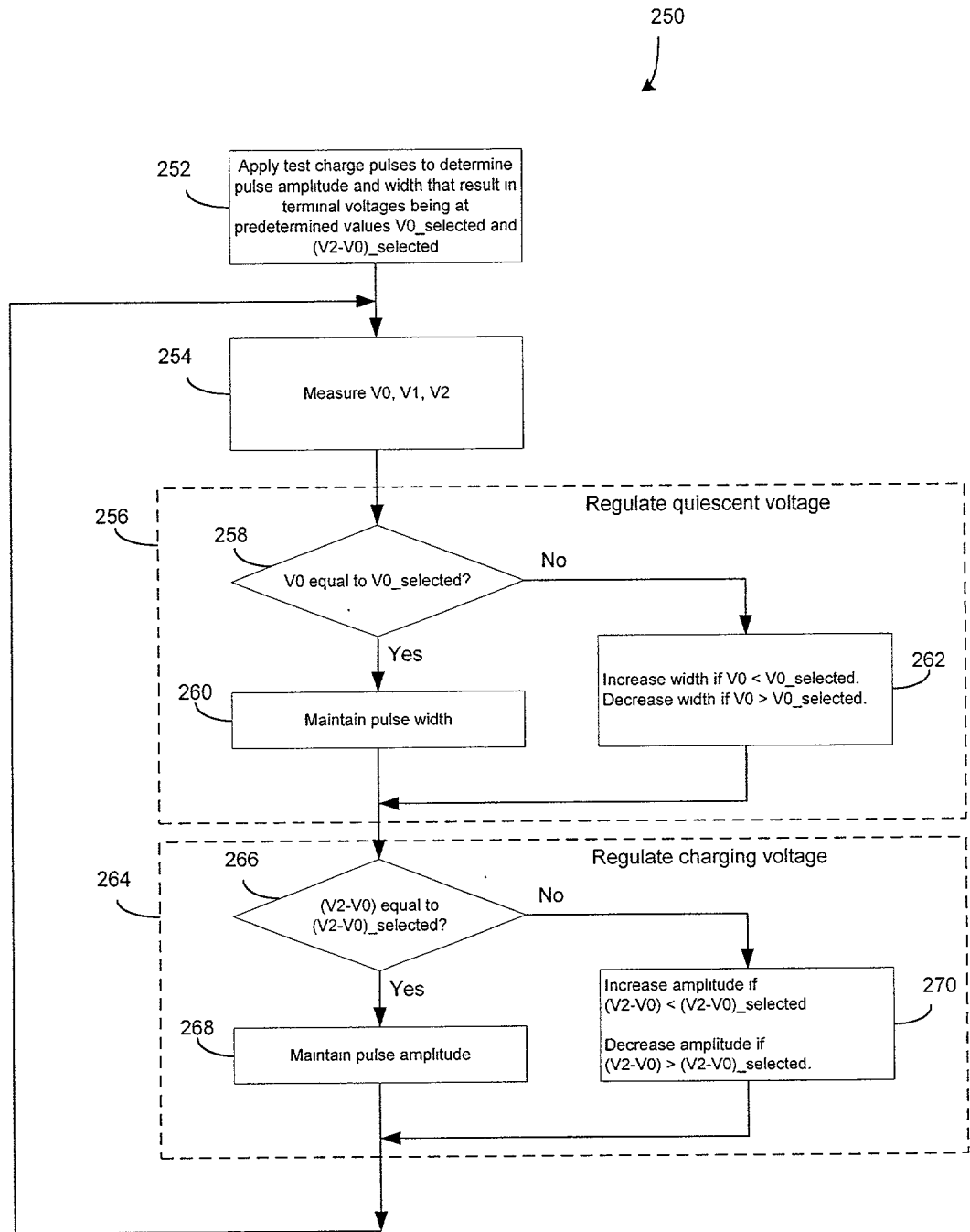


FIGURE 5

Exemplary process for adaptive regulated pulse charging that includes discharging pulses

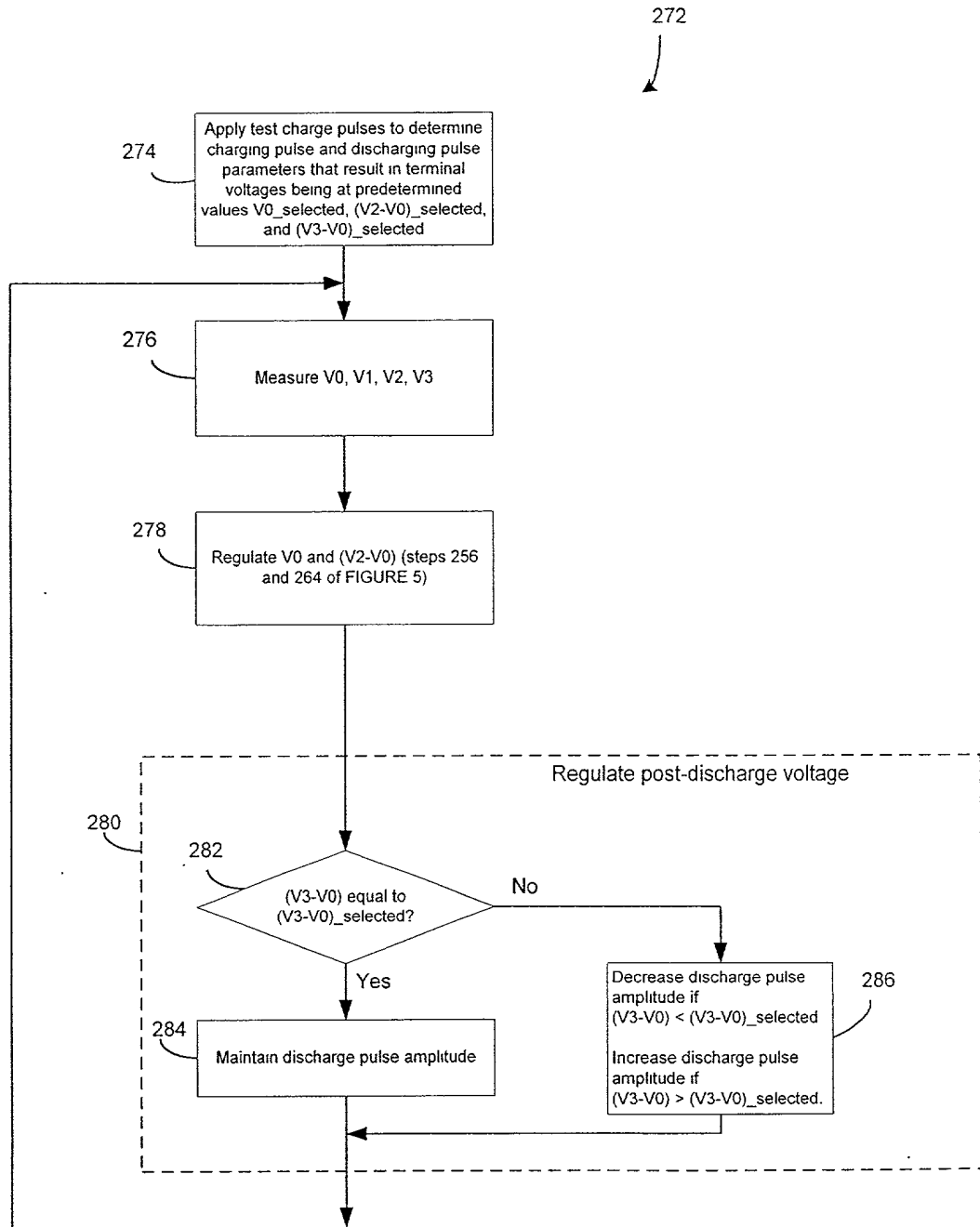


FIGURE 6

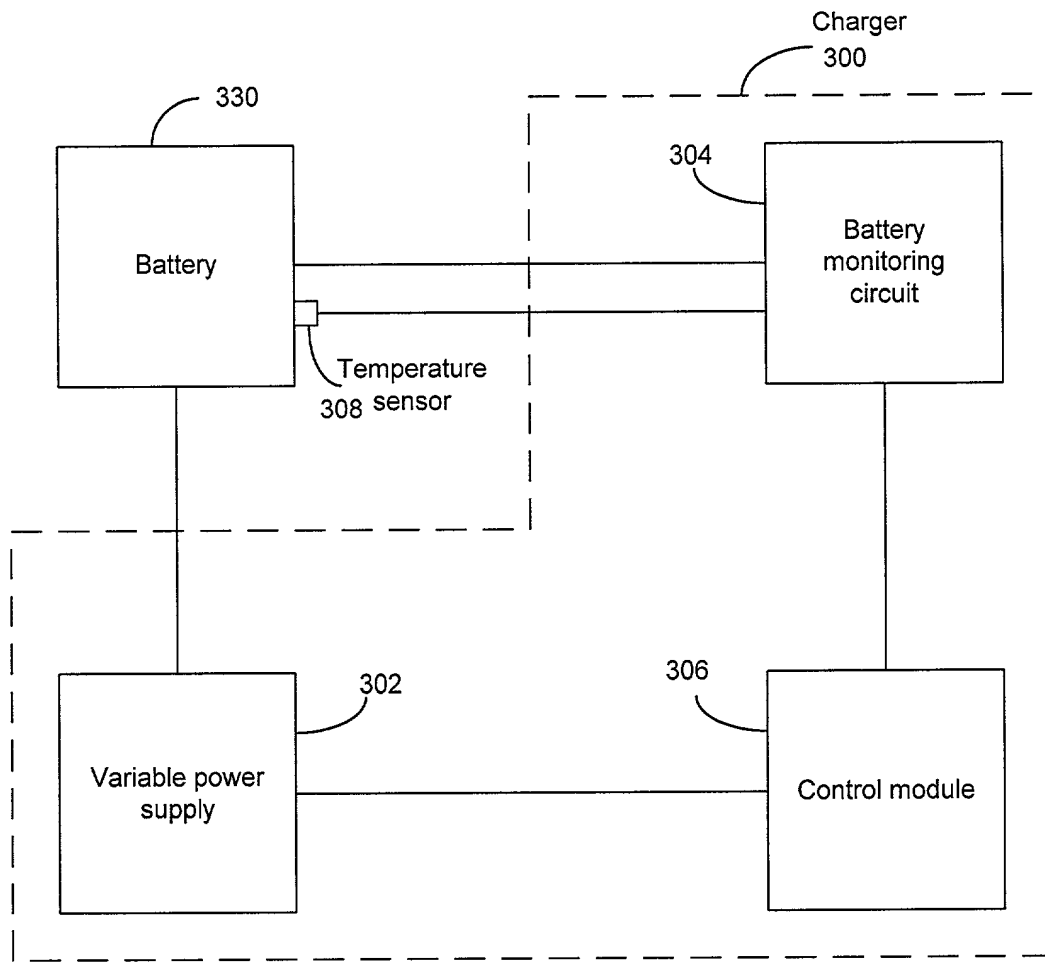


FIGURE 7

Exemplary process for regulating pulse charging
based on battery temperature

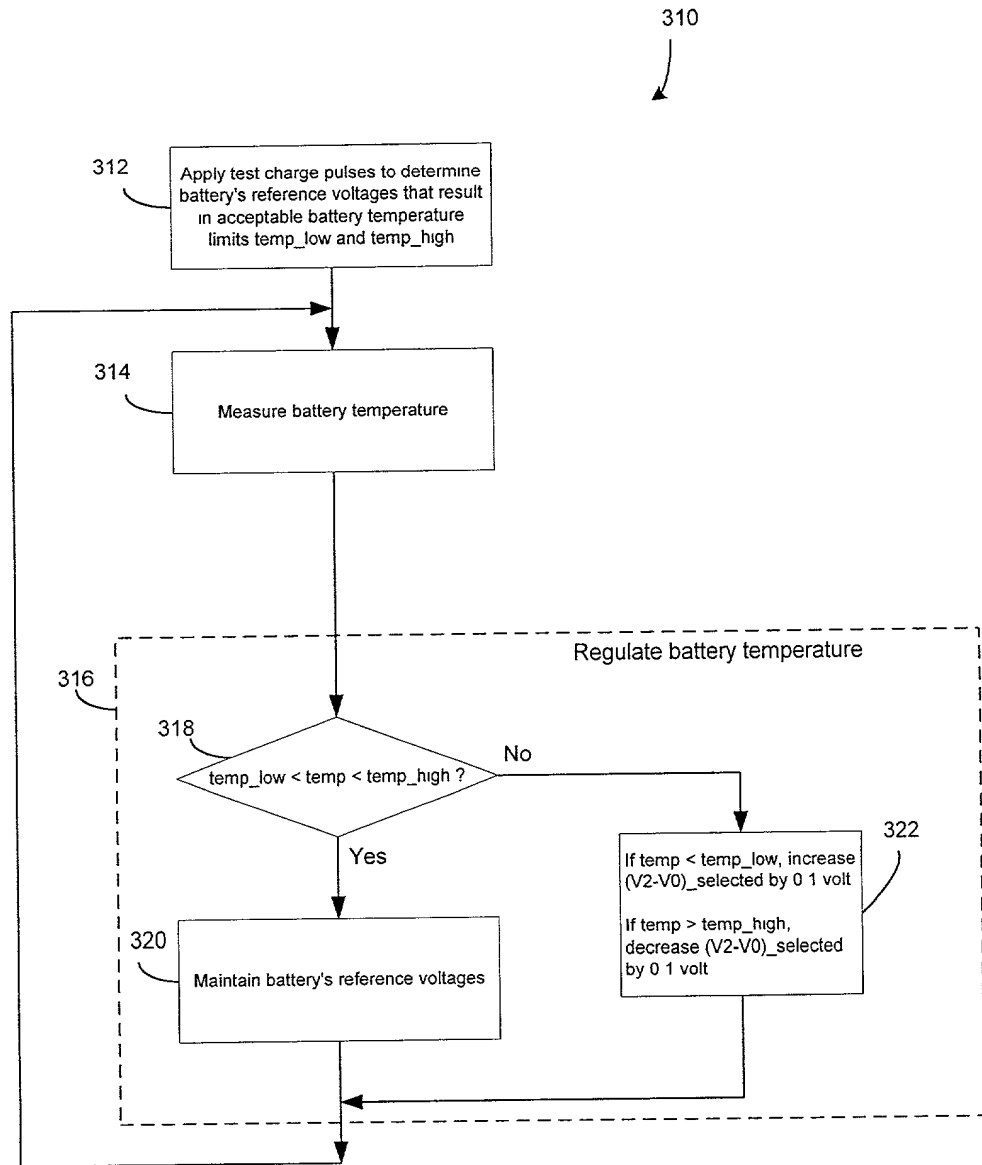


FIGURE 8